

Title: METHODS FOR DIAGNOSIS OF CANCER
USING erbB-3

Inventors: Kraus *et al.*

Attorney Docket No. 14014.0306U2

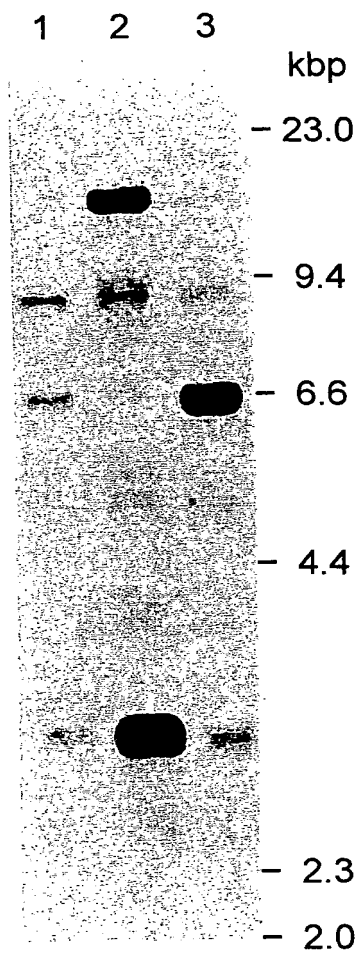


FIG. 1A

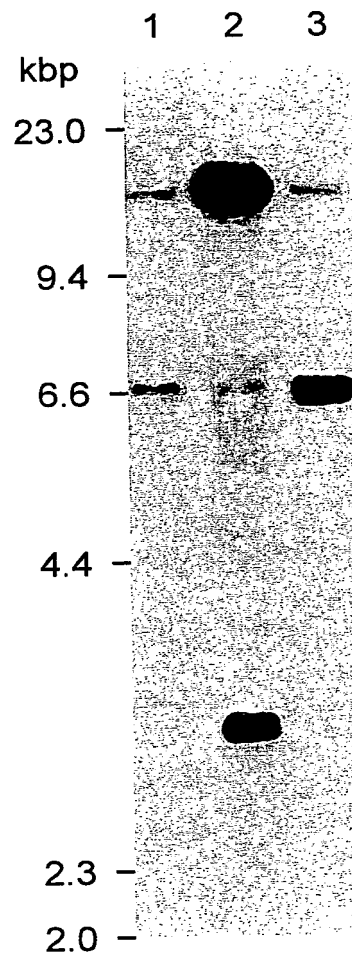


FIG. 1B

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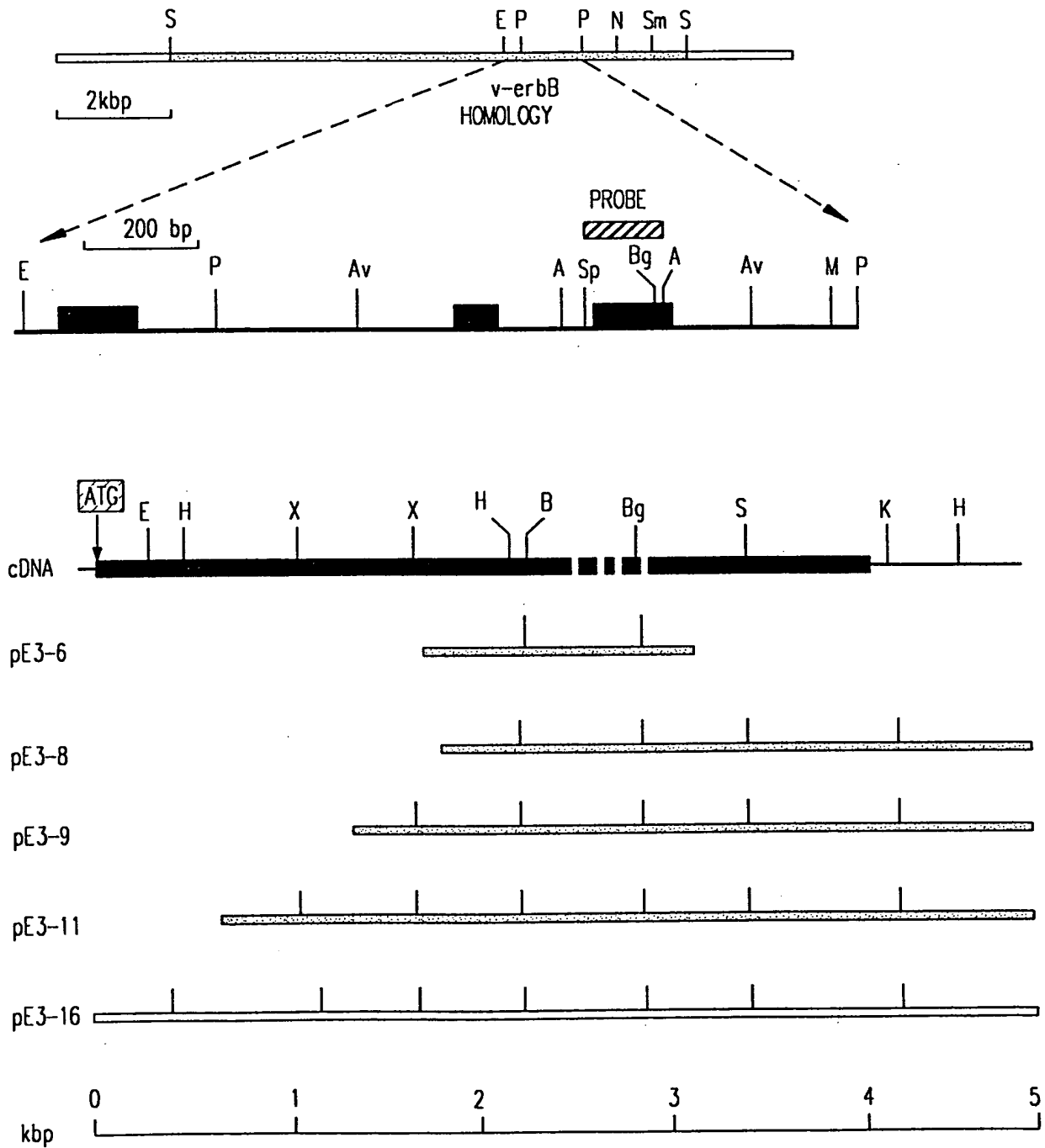


FIG.2

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(SEQ ID NO:1)

GAATTCCAGA TCTCAGTGAC TGATTCCCC AACCTTAAGA ATACTTTCTT CCCCTATACC 60

TACAG GGA ATG TAC TAC CTT GAG GAA CAT GGT ATG GTG CAT AGA AAC 107
Gly Met Tyr Tyr Leu Glu Glu His Gly Met Val His Arg Asn

CTG GCT GCC CGA AAC GTG CTA CTC AAG TCA CCC AGT CAG GTT CAG GTG 155
Leu Ala Ala Arg Asn Val Leu Leu Lys Ser Pro Ser Gln Val Gln Val

GCA GAT TTT GGT GTG GCT GAC CTG CTG CCT CCT GAT GAT AAG CAG CTG 203
Ala Asp Phe Gly Val Ala Asp Leu Leu Pro Pro Asp Asp Lys Gln Leu

CTA TAC AGT GAG GCC AAG GTGAGGAGAC ACAAAGGGTA AGGAGGCGGG 251
Leu Tyr Ser Glu Ala Lys

GGTGGAGTGA AGCATGGGGA TAGGGAGCAG CCAGTGGTCT CTTCCAGAGG CAAGCAGATG 311
CTTCATGGTA AGTTCAAGGA GAGAAGGCTG CAGATGCCAG ATATTTTAGT TCAGAGGGCA 371
ACAAAGAAAA TAATGATCAA GAACTTGGA CTGGCCGGGC GCGGTGGCTC ACGCCTGTAA 431
TCCCAACACT TCGGGAGGCC AAGGCGGGTG GATCACAAGG TCAGGAGATC AAGACCATCC 491
TGGCTAGCAC GGTGAAACCC CGTCTCTACT AAATATACAA AAAAAAAAAA ATTAGCCAGG 551
CGTGGCGGCA TGCATCTGTA CTCCAGCTA CTCGGGAGGC TGAGGCAGGA GAATGGCGTG 611
AACCCAGGAG GCGGAGCTTG CAGTGGGCCG AGATCGCACC ACTGCACTCC AGTCTGGGCG 671
ACAGAGCGAG ACTCCGTCTC AAAAAAAAAA AAAAAAGAAT TTGGGACTTG GAAATCCTAA 731
GAAATTTGT GGAAATAAAC TTGTGATACC TCTATCTTTA ATCCGCAG ACT CCA ATT 788
Thr Pro Ile

AAG TGG ATG GCC CTT GAG AGT ATC CAC TTT GGG AAA TAC ACA CAC CAG 836
Lys Trp Met Ala Leu Glu Ser Ile His Phe Gly Lys Tyr Thr His Gln

AGT GAT GTC TGG AGC TAT G GTCAGTGCAT CTGGATGCCC TCTCTACCAT 885
Ser Asp Val Trp Ser Tyr

CACTGGCCCC AGTTTCAAAT TTACCTTTTG AGAGCCCCCT CTTAGAATCT CTAAGCACTT 945
CAGATTTTGT TGTTAGATCA GGTCTGCCT TCCCTTCACT TCATGCCCAT GTCTACTATT 1005
TTGCCAGTGA CTAGTCCATG TCTTCCTGCA ACAG GT GTG ACA GTT TGG GAG 1056
Gly Val Thr Val Trp Glu

TTG ATG ACC TTC GGG GCA GAG CCC TAT GCA GGG CTA CGA TTG GCT GAA 1104
Leu Met Thr Phe Gly Ala Glu Pro Tyr Ala Gly Leu Arg Leu Ala Glu

GTA CCA GAC CTG CTA GAG AAG GGG GAG CGG TTG GCA CAG CCC CAG ATC 1152
Val Pro Asp Leu Leu Glu Lys Gly Glu Arg Leu Ala Gln Pro Gln Ile

TGC ACA ATT GAT GTC TAC ATG GTG ATG GTC AAG TGTGAGTTAC CTGCTGAGCC 1205
Cys Thr Ile Asp Val Tyr Met Val Met Val Lys

CAACCATTTT CTCTTTTTTT CTTTTTTTTT CTTTTTTTTT TTTTTTTGAG ACAGAGTCTC 1265
ACAATTGTCA CCCAGGCTGG AGTGCAATGG TGCAATCAAT CTTGGCTCAC TACAACCTCC 1325
GCCTCTCGGG TTCAAGAGAT TCTCCTGCTT CAGCTCCGGA GTAGCTGGGA TTACAGCGCC 1385
CGCCACACCT GGATAACTGT TACACTTTTA GTAGAGATGG GGTTTCACCA TGTTGGCCAG 1445
GCTGGTCTCA AACTCCTGAC CTCAGGTGAT CCGCCTGCCT CAGCTTCCCA AAGTGCTGGG 1505
ATTACAGGTG TGAGCCATCA TGCTCGCCTG ACTGCAG 1542

FIG.3

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MRANDALQVL GLLFSLARGS EVGNSQAVCP GTLNGLSVTG DAENQYQTLY KLYERCEVVM GNLEIVLTGH 70

NADLSFLQWI REVTTYVLVA MNEFSTLPLP NLRVVRGTQV YDGKFAIFVM LNYNTNSSHA LRQLRLTQLT 140

EILSGGVYIE KNDKLCHMDT IDWRDIVRDR DAEIVVKDNG RSCPPCHEVC KGRCWGPGE DCQTLTKTIC 210

APQCNGHCFCG PNPNCCHDE CAGGCSGPQD TDCFACRHFN DSGACVPRCP QPLVYNKLTQ QLEPNPHTKY 280

QYGGVCVASC PHNFVVDQTS CVRACPPDKM EVDKNGLKMC EPCGGLCPKA CEGTGSGSRF QTVDSNIDG 350

FVNCTKILGN LDFLITGLNG DPWHKIPALD PEKLNVERTV REITGYLNIQ SWPPHMHNF S VFSNLTTIGG 420

RSLYNRGFSL LIMKNLNVTS LGFRSLKEIS AGRIYISANR QLCYHSLNW TKVLRGPTEE RLDIKHNRPR 490

RDCVAEGKVC DPLCSSGGCW GPGPGQCLSC RNYSRGGVCV THCNFLNGEP REFAHEAECF SCHPECQPM 560

GTATCNGSGS DTCAQCAHFR DGPHCVSSCP HGVLGAKGPI YKYPDVQNEC RPCHENCTQG CKGPQLQDCL 630

QQTLVLIGKT HLT MALTIVA GLVVIFMMLG GTFL YWRGR IQNKRMRRY LERGESIEPL DPSEKANKVL 700

ARIFKETELR KLKVLGSGVF QTVHKGWIP EGESIPVC IKVIEDKSGR QSFQAVTDHM LAIGSLDAH 770

IVRLLGLCPG SSLQLVTQYL PLGSLLDHVR QHRGALGPQL LLNMGVQIAK GMYLEEFGM VHRNLAARNV 840

LLKSPSQVQV ADFGVADLLP PDDKQLLYSE AKTPIKWMAL ESIHFGKYTH QSDVWSYGVV VWELMTFGAE 910

PYAGRLRAEV PDLEKGERL AQPQICTIDV YMMVKCMMI DENIRPTFKE LANEFTRMAR DPPRYLVIKR 980

ESGPGIAPGP EPHGLTNKKL EEVELEPELD LDLDLEAED NLATTTLGSA LSLPVGTLNR PRGSQSLLSP 1050

SSGYMPMNQG NLGESQESA VSGSSERCPR PVSLHPMPRG CLASESSEGH VTGSEAELE KYSMCRSRSR 1120

SRSRPRGDS AYHSQRHSLT TPVTPLSPPG LEEEDVNGYV MPDTHLKGTP SSREGTLSSV GLSSVLGTEE 1190

* *
EDEDEEYEM NRRRRRHSPH PPRPSSLEEL GYEYMDVGS LSASLGSTQS CPLHPVPIMP TAGTTPDEY 1260

*
EYMNQRDGG GPGGDYAAMG ACPASEQGYE EMRAFQGPCH QAPHVHYARL KTLRSLEATD SAFDNPDYWH 1330

SRLFPKANAQ RT 1342

FIG.4A

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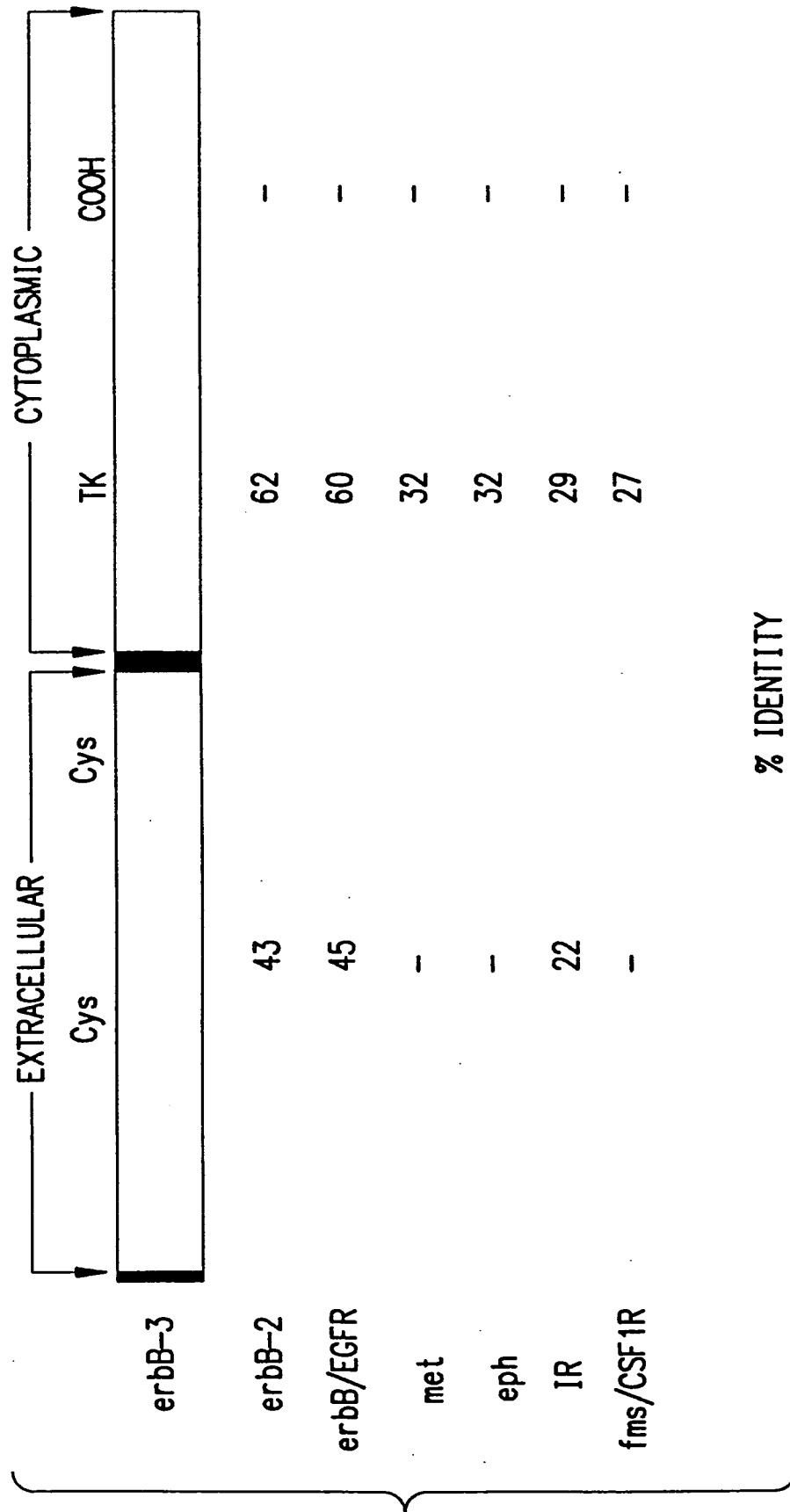


FIG. 4B

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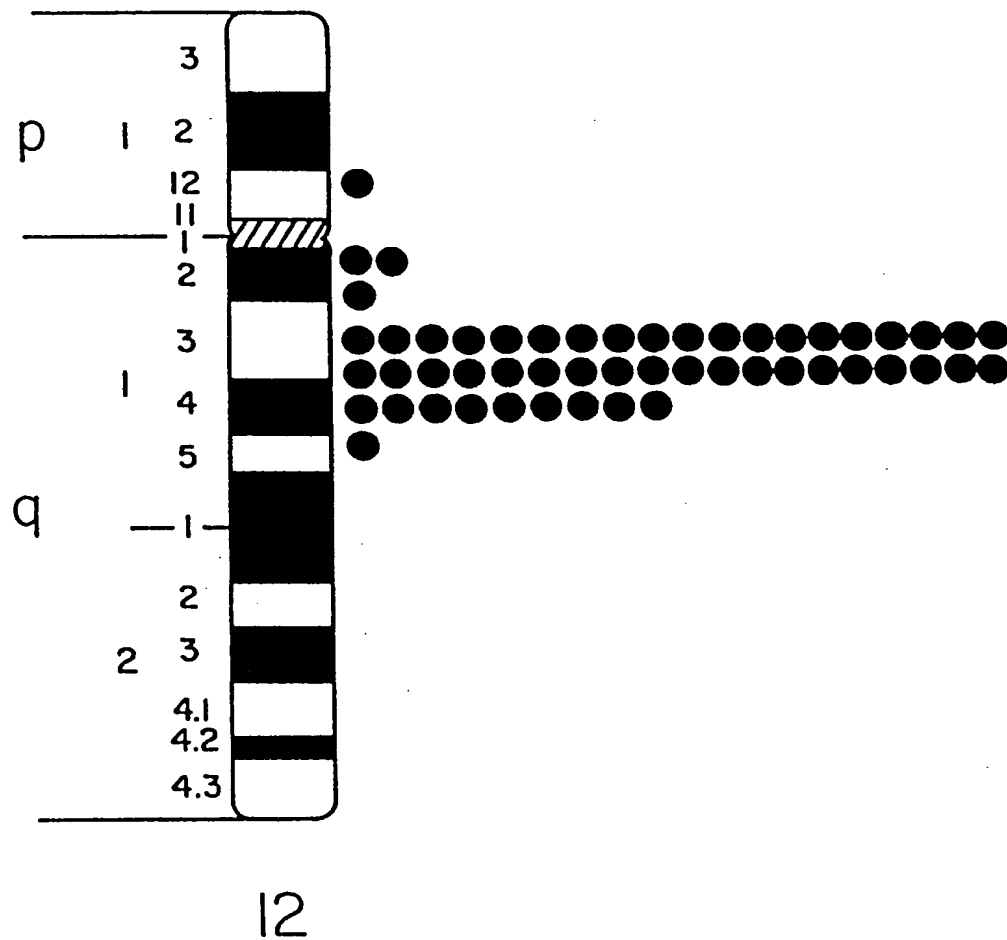


FIG. 5

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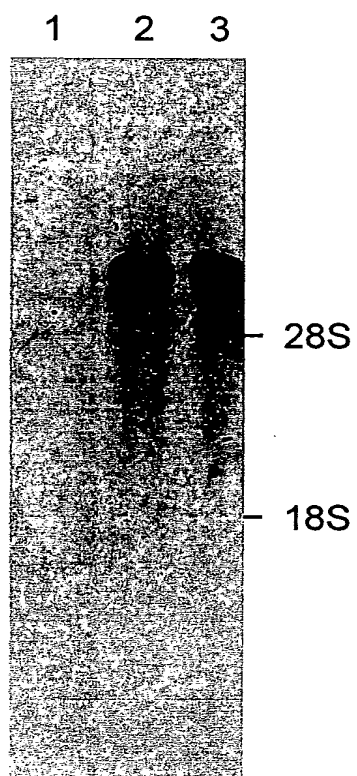


FIG. 6A

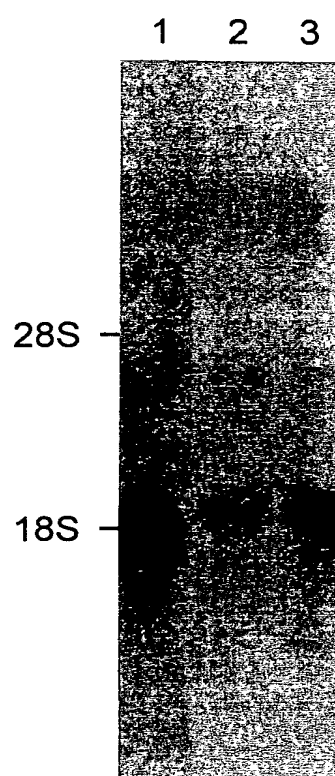


FIG. 6B

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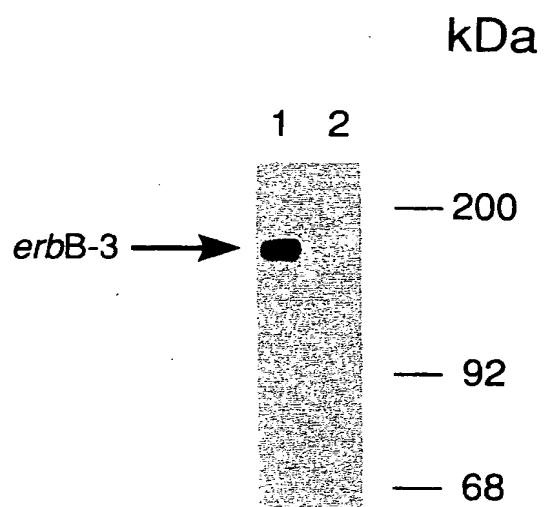


FIG. 7A

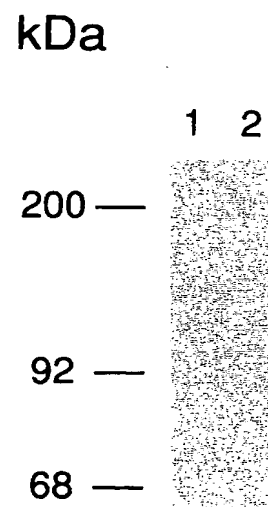


FIG. 7B

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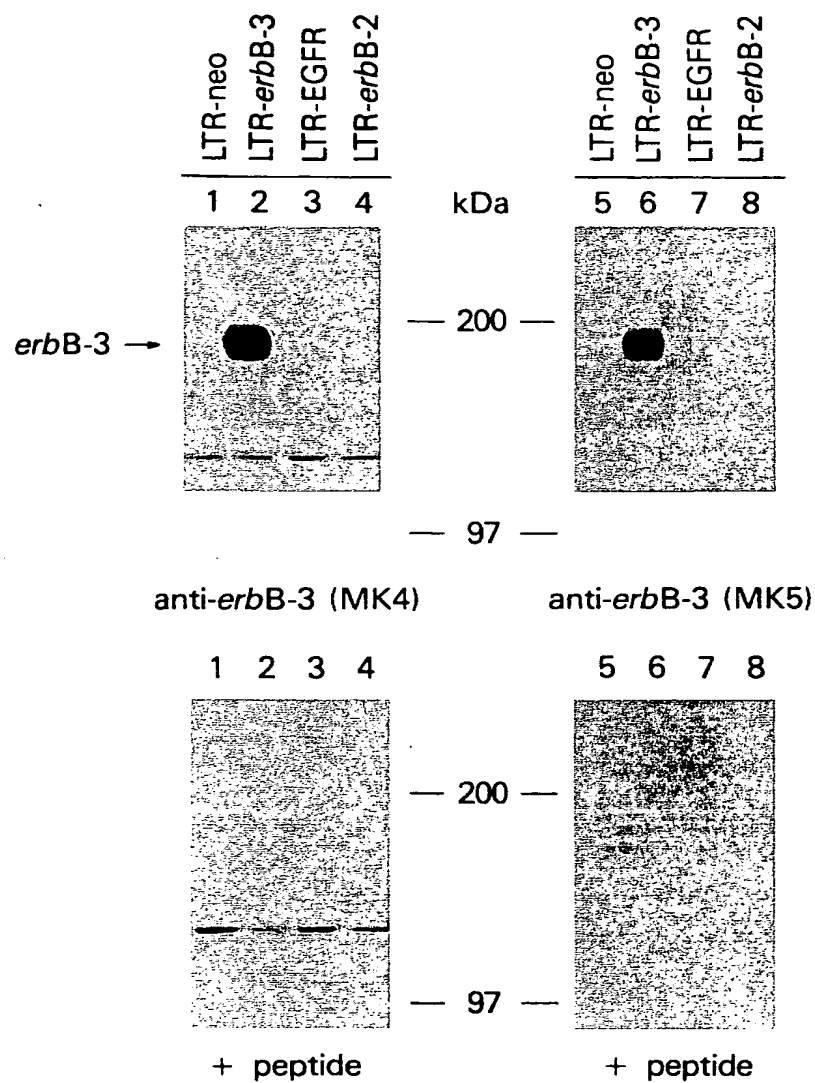


FIG.8A

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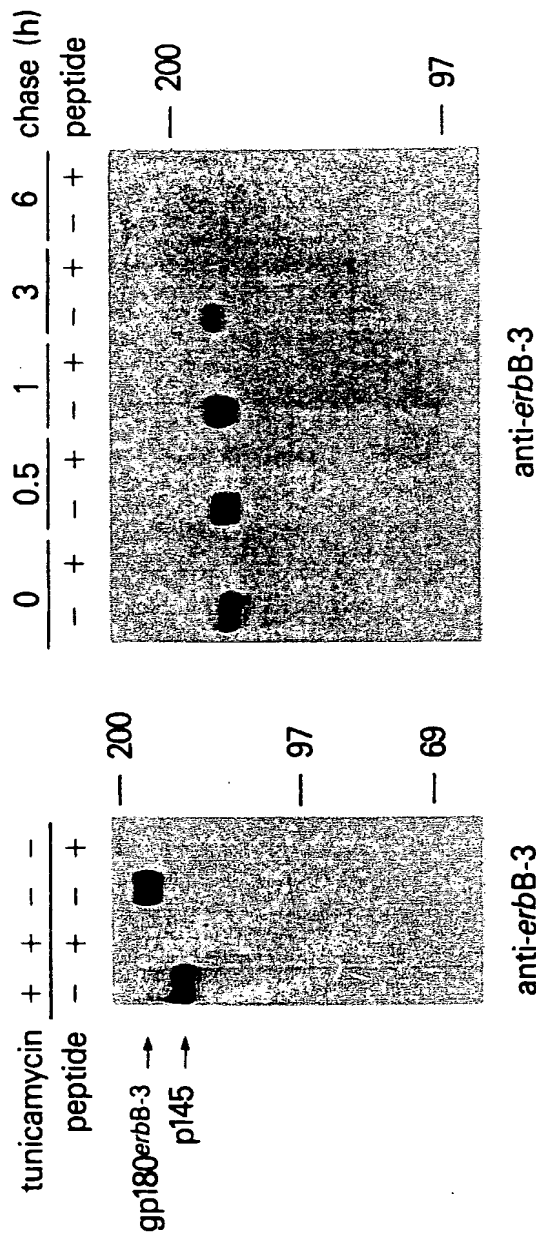


FIG. 8B

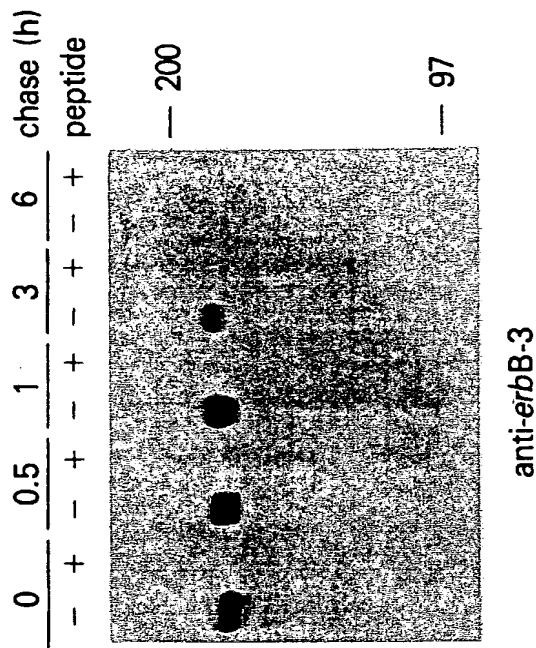
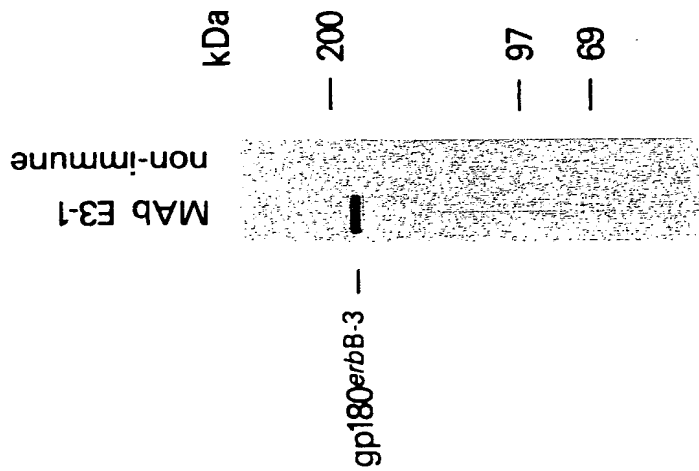


FIG. 8C

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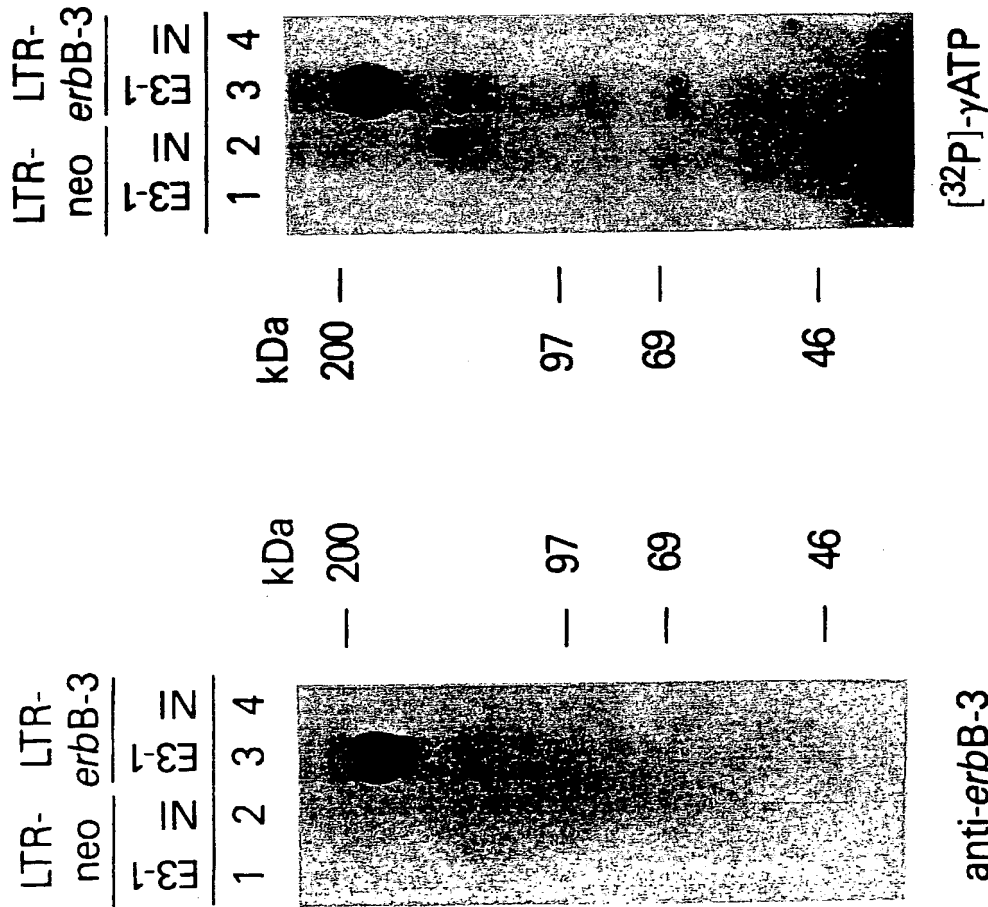
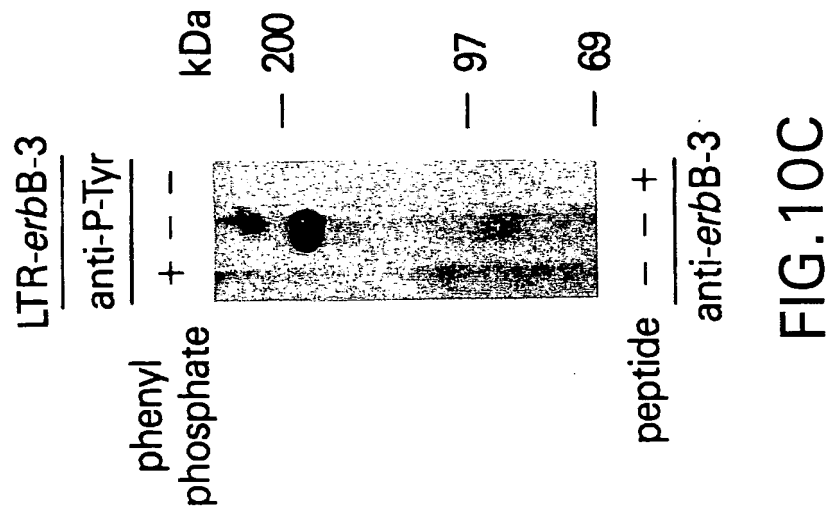


FIG.10A

FIG.10B



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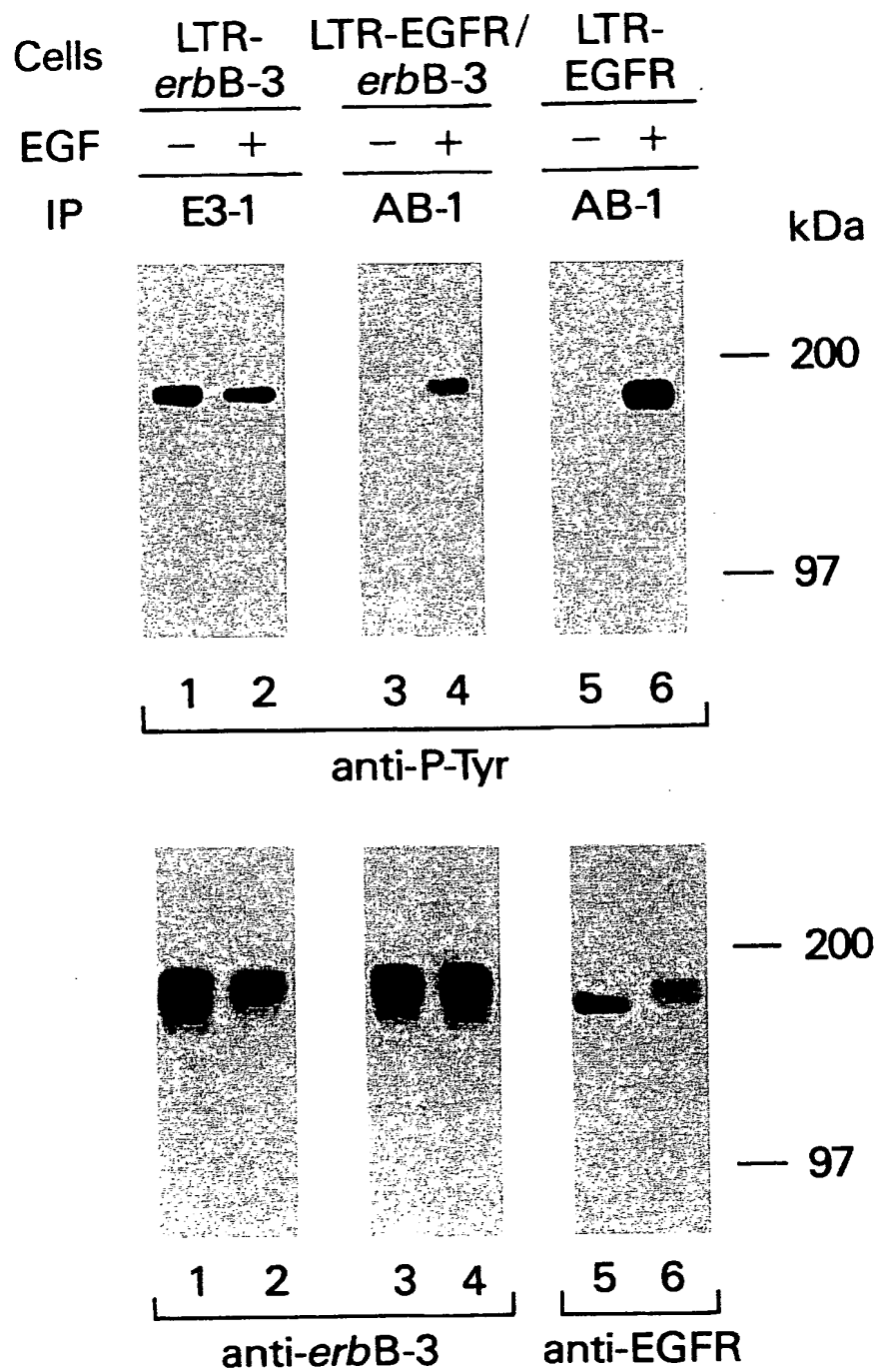


FIG. 11

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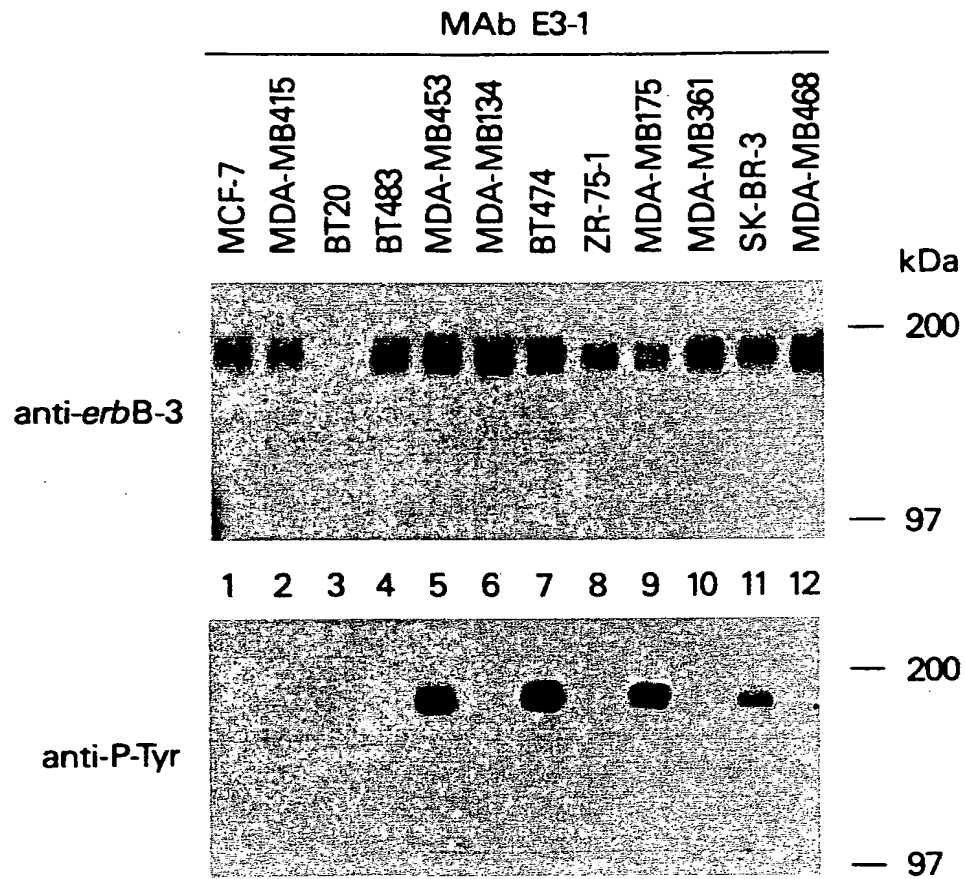


FIG.12